



## THE GOVERNING COUNCIL

## Giving high priority to community health

A strong focus upon community health was recommended by the Governing Council at its meeting yesterday. The resolution was "that the University have as a high priority the provision of education and research in the field of community health", which was said by James Lewis, chairman of the Planning and Resources Committee, would imply a readiness to support this direction financially.

Also approved was the establishment of a division of community health to provide a focus for such education and research and to consist of departments with a primary role in this field and a set of specific objectives for this division.

In the discussion, Dr. George Beaton, acting director of the School of Hygiene, expressed concern that, in the strengthening of the focus and programming of the new division, some loss would be occasioned to the departments which now give service teaching to some 3,600 undergraduate students in other divisions of the University.

President John Evans said some of the activities now carried on within the School of Hygiene would be carried on under other auspices, but that it did seem, from the background material submitted to the Hanly task force, that the field of community health would be of very great importance for the decade ahead. It had been the feeling of all concerned that this University had a greater opportunity than others in Canada to make a substantial contribution in this area.

The proposed Division of Community Health would also function as a focal point for the other activities which would no longer be in the division. Prof. Charles Hanly and Mr. Lewis explained that further resolutions in this regard were being developed for presentation to the Academic Affairs and Planning and Resources Committees, including the suggested location of the Department of Microbiology and the Department of Nutrition and Food Sciences, but that the

desire was to have the direction of the new division established first, since the resolution of other problems depended on that.

Prof. John E. Dove, chairman of the Academic Affairs Committee, brought forward a proposal for application fees to be charged in divisions where such fees not already charged, on the recommendation of its sub-committee on admissions and awards. Gordon Barnes and several other student members expressed opposition to such fees.

Mrs. Patti Fleury explained the great costs involved for those divisions that require previous work at University level as one of their admission requirements and that often have extraordinary numbers of applicants. The motion was carried after considerable debate.

The council, on motion of Mrs. Betty Kennedy, seconded by Prof. Hanly, noted the problems which have recently confronted the President and the administration in respect of recent disruptions of meetings on campus, and recorded its support of the University administration in the difficult decisions which have had to be made.

Barry Mitchell asked about the status of the Graduate Assistants' Association's application for certification as a collective bargaining agent. In reply, Alex G. Rankin, Vice-President, Business Affairs, stated that the University does not oppose the right of any appropriate unit

of its employees to be represented by a union, and had not opposed this application, but had questioned the appropriateness of a pre-hearing vote in this instance and requested that the matter be treated as a regular application for certification.

Two very different definitions of the unit of employees claimed to be appropriate for collective bargaining have been put forward by the Graduate Assistants' Association, and the University, Mr. Rankin said, is concerned that the persons included and excluded from the unit be fully informed.

In closed session the Council chose the following officers for its standing committees for 1974-75:

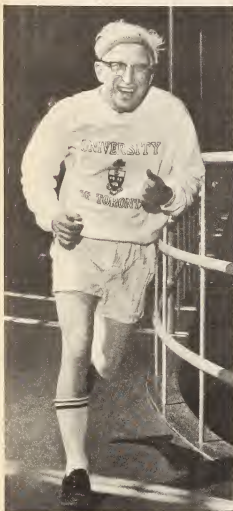
Prof. John Dove continues as chairman of Academic Affairs, with Mrs. Patti Fleury as vice-chairman.

William H. Broadhurst succeeds James Joyce as chairman of Business Affairs, with Sydney Hermant as vice-chairman. Mrs. Betty Kennedy succeeds C. Ian P. Tate in the chairmanship of External Affairs, with David Shindman as vice-chairman.

W. J. Whelton replaces Mrs. Marnie Paikin as chairman of Internal Affairs and Prof. Gary Thaler becomes vice-chairman.

Prof. Charles Hanly takes over the chairmanship of the Planning and Resources Committee from James Lewis, and is succeeded as vice-chairman by Keith Hendrick.

The Council's next meeting will be held on May 23 at Erindale College.



FRANK HASTIE, chairman of Planning Division, jogs around Hart House track. He is one of a group of Physical Plant staff who take regular noon hour exercise as a way to keep fit. Story and other pictures on page 3.

2 students face  
Caput charges  
over Banfield

Caput met on April 16 to begin the hearing of charges against two students arising out of the incident on March 13 when a group of students and others prevented Prof. Edward Banfield of the University of Pennsylvania from giving a lecture in West Hall, University College, under the auspices of the American Studies Committee of the Faculty of Arts and Science.

After hearing procedural arguments, the Caput adjourned until May 21.

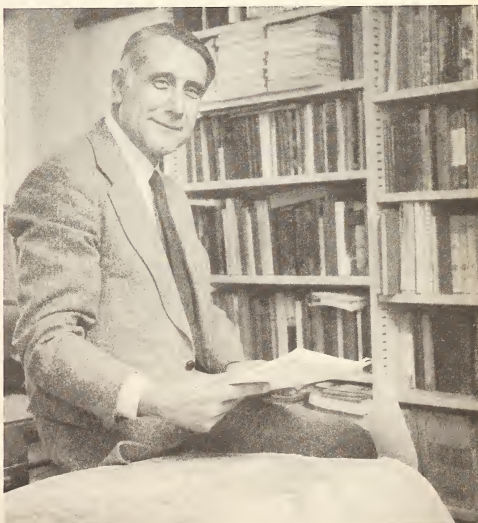
The two defendants are Tony Leah, who is working for a Master's degree in sociology, and William Schabas, a Ph.D. candidate in history. There are seven charges against Mr. Leah and eight against Mr. Schabas.

All of the charges begin with a preface alleging that the accused did "engage in acts prejudicial to the interests of the University of Toronto". Each charge then becomes specific.

Three of the charges against each student accuse them of conspiring and combining with others to obstruct and prevent Dr. Banfield from speaking at his lecture; to obstruct, interrupt or interfere with the conduct of an activity of the American Studies Committee, and to obstruct, interrupt or interfere with "the lawful use and enjoyment of premises of the University", specifically West Hall. In addition, Mr. Schabas is charged with conspiring and combining with others to use threats and intimidation to prevent Dr. Banfield from speaking at his lecture. Mr. Schabas is also accused of using threats and intimidation to stop the speaker.

The remaining charges are concerned with the allegedly unlawful use of the microphone so as to prevent Dr. Banfield and the chairman, Prof. Stefan Dupre,

(Continued on page 6)

Dr Kenneth Hare appointed head  
of Environmental Studies Institute

Dr. F. Kenneth Hare, 55, distinguished geographer and former president of the University of British Columbia, is to become head of U of T's Institute of Environmental Studies on July 1.

Dr. Hare, a professor of both geography and physics, has just completed a two-year leave of absence with the Federal Government in Ottawa, where he was scientific adviser to the Department

of the Environment. He succeeds Dr. T.C. Hutchinson, who agreed to direct the Institute during the one-year period that its role and organization were under review.

Dr. Hare, who was also for two years master of Brinkbeck College in the University of London, has honorary degrees

(Continued on page 8)

## Membership of Caput

The membership of Caput consists of the following, who are authorized to serve by section 9 (1) of the University of Toronto Act 1971:

Prof. A. S. Abel, Faculty of Law, chairman.

Dean W. E. Alexander, Pharmacy.

Acting Dean H. O. Barrett, Education.

Dean John Beckwith, Music.

Principal Ralph Campbell, Scarborough.

Dean John Crispo, Management Studies.

Dean Bernard Etkin, Engineering.

Principal W. O. Fennell, Emmanuel.

President Goldwin French, Victoria.

Dean Martin Friedland, Law.

Principal J. S. Glen, Knox.

Dean Robert A. Greene, Arts & Science.

Principal A. C. H. Hallett, University College.

Dean Frances Halpenny, Library Science.

Dean R. B. Holmes, Medicine.

Principal Leslie Hunt, Wildlife.

Provost George Ignatieff, Trinity.

Principal Donald Ivey, New College.

President John Kelly, St. Michael's.

Dean Kathleen King, Nursing.

Warden J. G. Lengelle, Hart House.

Dean Gordon Nikiforuk, Dentistry.

Dean Vidar Nordli, Forestry.

Dean Albert Rose, Social Work.

Principal Peter Russell, Innis.

Dean A. E. Safarian, Graduate Studies.

Principal J. Tuzo Wilson, Erindale.

Robert Anderson, SAC (non-voting).

Lois Reimer, secretary.



# STAFF NOTES

## Medicine

DR. R. K. SCHACHTER, together with DR. J. NETHERCOTT, were awarded a bronze medal for their presentation on African Histoplasmosis at the American Academy of Dermatology meeting in Chicago last December.

DR. R. O. HEIMBECKER has accepted an appointment as Professor, Division of Cardiovascular and Thoracic Surgery, Department of Surgery, University of Western Ontario. He will be chief of Cardiovascular and Thoracic Surgery at the new University Hospital. His duties began in early February.

## Applied Science and Engineering

PROF. F. C. HOOPER and DR. GORDON N. PATTERSON were keynote speakers at the seminar/workshop on Conservation of Energy in Building Design and Operation sponsored by Alberta Public Works, April 10 and 11, in Edmonton.

PROF. J. GANCZARZYK presented (with D. F. CARR) a paper on "Activated Sludge Exocellular Material - Extraction Methods and Problems" at the 9th Canadian Symposium on Water Pollution Research held at the University of Western Ontario, Feb. 7.

PROF. G. R. SLEMON attended the IEEE Winter Meeting in New York Jan. 28 to 31 and presented with Dr. M. D. KANKAM, two papers, "Time-Harmonic Analysis of Synchronous Motors" and "Operating Point Instability of Synchronous Motors Including Time-Harmonics". Prof. Slemmon also presented a paper on "Linear Electric Motors" on Feb. 5 to the IEEE Ottawa Section.

PROF. W. JANISCHESKY attended in New York, between Jan. 28 and Feb. 1, the winter meeting of the IEEE Power Engineering Society. On Jan. 28 he chaired the meeting of the Steering Committee of the Radio Noise Subcommittee and on Jan. 29 the meeting of its Working Group No. 3 concerned with Theoretical Aspects of Transmission Line and Substation Corona. On Jan. 30, as Chapters Representative for Canada, he took part in the meeting of the Chapters Committee and of the Power Engineering Society Council. On Jan. 31 he participated in deliberations of the Radio Noise Subcommittee and on Feb. 1 in its Technical Session.

During his sabbatical leave for the calendar year 1973, PROF. W. H. RAPSON presented invited seminars on "The Effluent-free Bleached Kraft Pulp Mill" to the Eupepa 15th Conference, Rome, Italy; the Slovakian Academy of Science, Bratislava, Czechoslovakia; the Polish Pulp and Paper Institute, Lodz; the Technical University of Szczecin, Poland; the Finnish Pulp and Paper Research Institute, Helsinki; the Swedish Pulp and Paper Research Institute, Stockholm; the Environmental Protection Agency, Washington; and eighteen pulp and paper companies and consulting engineering firms. Dr. Rapson also presented six lectures on "The Bleaching of Pulp" at the University of Maine in June. At the Sixth International Pulp Bleaching Conference in Vancouver in June, Dr. Rapson was awarded Honorary Life Membership in the Technical Section of the Canadian Pulp and Paper Association.

## OISE

DR. J. GLENN SCOTT and DR. EDWARD S. HICKOCK recently conducted a workshop for the Federation of Women Teachers' Associations of Ontario. The workshop was offered under the FWTAO Leadership Course - an ongoing professional development program for members of the Federation who are interested in preparing themselves for the administrative role of principal. Dr. Scott and DR. DORIS W. RYAN conducted a workshop on Feb. 8 for the Association of Colleges of Applied Arts and Technology of Ontario. Dr. Scott presented two papers: "Policy Development for the Contemporary College" and "CAATS Committee and Associated Turbulence" (An examination of the role of committees in college governance). Dr. Ryan

delivered an address on "Organizational and Structural Considerations in the Modern College."

DR. H. H. STERN has been awarded the Diamond Jubilee Medal from the Institute of Linguists, in recognition of outstanding services in the interest of linguistics and the teaching of modern languages.

## Aerospace Studies

DR. H. S. RIBNER visited the Division of Acoustics and Noise Control, NASA Langley Research Centre, on May 23, and lectured at Georgia Institute of Technology, Atlanta on "Aerodynamic Noise", May 24. He chaired a panel discussion on ACV Noise at the 7th Canadian Symposium on Air Cushion Technology, CASI, Montreal, June 19 and served as adviser to the Ministry of Transport delegate to the Sonic Boom Committee, International Aviation Organization, Montreal, June 20, 25, 26. On June 29 he visited the NASA Lewis Laboratory, Cleveland and later attended a retirement dinner for his former boss Dr. J. C. Eward, now the Assistant Director. On July 24 he served as adviser at a review of supersonic jet noise research sponsored by the U.S. Dept. of Transport and the U.S. Air Force at Wright Patterson AF Base, Dayton.

DR. P. C. HUGHES was the co-author (with P. K. Nguyen) of a paper "Long Elastic Deformation in Flexible Spinning Spacecraft" presented at CANCAM 73 in Montreal, May 28.

DR. R. M. MEASURES returned from a sabbatical study leave at the Royal Institute of Great Britain on Aug. 28. Whilst at the Royal Institute he gave an invited lecture on "Lasers and the Environment" at a special one day symposium on The Commercial Importance of Lasers. He was also invited to give a talk at the University of Southampton's Department of Electronics. Dr. Measures and W. Houston attended a meeting devoted to the use of Lasers in Hydrographic Studies on Sept. 12, at the NASA base at Wallops Island. Dr. Measures gave an invited review of the Canadian Hydrographic Lidar program whilst W. Houston presented the recent results of the UTIAS laser fluorosensor project.

## Arts and Science

PROF. C. C. GOTTLIEB has received an honorary appointment at Columbia University, New York, as associate in the University Center for Computers and Their Relations to Man and Society during the period of July 1, 1973 to June 30, 1976.

PROF. W. A. C. DOBSON conducted a series of seminars on Contemporary China at Conestoga College, Kitchener, on Feb. 26.

Papers presented by staff of Department of Geology at the Conference on Experimental Mineralogy, Petrology and Economic Geology at McGill University, Feb. 28 - March 1:

PROF. G. M. ANDERSON - "Precipitation of Pb and Zn in Mississippi Valley-type deposits"; PROF. J. GITTIN - "The system  $K_2CO_3-CaCO_3$  and the significance of carbonate petrogenesis"; DR. M. M. KIMBERLEY - "Origin of iron ore by diagenetic replacement of calcareous oolite"; PROF. J. F. FAWCETT and DR. P. D. FLEMING - "Stability of chlorite assemblages in the Ni-NiO buffer system  $MgO-FeO-Al_2O_3-SiO_2-H_2O$  at 2 Kbar water pressure"; DR. M. DUKE - "An experimental investigation of the distribution of transition elements among olivine, calcic clinopyroxene, and mafic silicate melt"; PROF. S. D. SCOTT - "The aluminiferous geobarometer and its application to Precambrian metamorphic belts"; PROF. A. J. NALDRETT and DR. H. SHIMA - "Thoughts on the segregation of sulphide-oxide liquids from mafic and ultramafic melts";

PROF. K. LEVY delivered a guest lecture at the University of Calgary on Feb. 22, on "The Spanish American Novel and its cultural context".

PROF. D. MARIN was guest speaker at the celebration of the 50th anniversary of

the Hispanic National Association (Sigma Delta Pi) in the College of Wooster (Ohio). He gave a paper on "Don Juan dentro y fuera de Espana" and was made an honorary member of the Association (Feb. 23).

PROF. DANYLO STRUK gave a lecture on "Contemporary Ukrainian Poetry" at the Program in East European and Slavic Studies, State University of Buffalo, Feb. 13.

PROF. K. B. FEUER gave a lecture on "Family Chronicle: The Indoor Art of Sergey Aksakov" at Yale University on Feb. 20.

## University College

PROF. HANS EICHNER lectured during the Reading Week at the University of Pittsburgh on Nietzsche, at Dalhousie University on Goethe's *Faust*, and at the Goethe Institute Montreal and Ottawa on Bertolt Brecht's *Brecht*.

## Victoria College

On March 8, PROFS. E. BEST and D. WADE attended a Japan Seminar at Canisius College, Buffalo. The seminar was sponsored by the southern Ontario and northern New York division of the Association for Asian Studies.

PROF. DONALD V. WADE has returned after a six month period of travel and study in Asia. He visited Japan, Korea, Bali, Sri Lanka, and Pakistan spoke at several conferences and gave guest lectures at seven different colleges and universities in Taiwan, Hong Kong, Singapore, Jakarta and Chiang Mai (northern Thailand). On Feb. 28, PROF. DAVID SMITH and JEAN ORSONI gave a joint paper on "Voltaire and the Huguenots" at York University.

## Emmanuel College

On March 5, PROF. JAMES R. GUTHRIE delivered a lecture in Lakeside University, in the series: "Christian Insights in a Confused World". His subject was "Exit from the Labyrinth".

## St. Michael's College

PROF. ECKHAED CATHOLY gave the following lectures: "Goethe und die mimische Sprache"; "Wahrheit und die mimische Sprache"; "Goethe und die mimische Sprache", March 5 and "Aristoteles und die Folgen. Zur Geschichte der deutschen Komodie" at New York State University, Buffalo on March 12.

## Erindale College

PROF. DAVID DUNLOP gave a colloquium on Lunar Magnetism on Jan. 22 at the David Dunlap Observatory for Astronomy. One astronomically interesting implication of lunar magnetic studies is that a substantial magnetic field may have existed in the region of the moon at the time the solar system formed and for about a billion years after. Prof. Dunlop was invited to participate at the midwest Superior Geotraverse Workshop in Toronto on Jan. 14-15, where he spoke on Reconnaissance Paleomagnetic Studies of Archean Rocks. Archean rocks are older than 2.5 billion years. The fact that they are stable magnetized demonstrates a very early magnetic field for the earth.

PROF. ERIC S. GRACE left for Ellesmere Island, N.W.T., on Feb. 7 to undertake a study of the Arctic wolf, and returned on March 14.

PROF. PAUL HÖRGEN recently presented seminars at the State University of New York campuses of Syracuse and Albany and at McMaster University on the work which he is doing with Dr. J. Silver on "Sterol Regulation of Messenger RNA in the primitive eukaryote *Achlya ambisexualis*".

PROF. ERMINIO NEGLIA has been invited by the Michigan Chapter of the American Association of Teachers of Spanish and Portuguese to speak on Latin American Theatre in Detroit on April 20.

SOL A. NIGOSIAN was invited by the Ministry of Education to address Secondary School Teachers at the Central Ontario Regional Conference on World Religion in March. The purpose of the Conference was to promote effective teaching of World Religions in Secondary Schools. Mr. Nigolian's Presentation was entitled "Possible Course Directions", and discussed ideas and approaches for

teaching World Religions. His latest book *World Religions*, (Clark Pub. 1974 (available at the Erindale Bookstore)) is used as a text-book in Ontario secondary schools.

PROF. D. RABY attended a meeting of the Ontario Co-operative Program in Latin American and Caribbean Studies at the University of Guelph on Feb. 2, and participated in a round-table discussion on "The character of the Echeverria regime in Mexico".

PROF. JOSEF SKVORECKY has just had his book of short stories *The Mournful Demeanor of Lieutenant Boruvka* published by Victor Gollancz, London, England.

DR. BETTY ROOTS has been awarded a substantial grant for two years from the Multiple Sclerosis Society of Canada to study "The Effect of Marginal Dietary Efficiencies and Environment Temperature on Myelin and Other Membranes in the Nervous System".

PROF. F. D. TAYLOR delivered an invited address to the State University of New York Buffalo Winter Set Theory Conference, Feb. 8, entitled "Topological/Set-theoretic problems of interest to set-theorists/topologists".

PROF. H. H. WEINBERG has been invited to edit the Advisory Board of *Nineteenth-Century French Literature*, a quarterly publication for studies of French literature and criticism of the past century.

## Education

DEAN H. O. BARRETT, as secretary of the Ontario Educational Research Council, organized its fifteenth Annual Conference held at the Royal York Hotel on Dec. 7 and 8. Four members of the Faculty staff of PROFS A. J. BIEMILLER, M. F. GRAPKO, NATALIE KUZMICH, and R. A. MARTIN presented papers.

PROF. J. W. GREIG began the first part of his assignment to help restructure the teacher education program in Guyana, on Jan. 10. His duties continued until Jan. 31. In December, McGraw-Hill Ryerson published *Discovering*, the third book in the Ryerson Social Service Series, of which Prof. Greig is general editor and collaborating author.

On Nov. 16 and 17, PROF. J. A. M. EMERSON was co-chairman of a conference of Ontario and Quebec Art Educators at the Faculty of Education, McGill University, which was sponsored by the Canadian Society for Education through Art and the Canada Studies Foundation.

PROF. M. J. MCCARTHY has accepted membership on the steering committee for Visual Arts Ontario, an agency sponsored by the Ministry of Social and Community Services to integrate the activities of service art organizations in the province.

PROF. R. T. SHEPARD presented a paper to the Ottawa District Teachers of Education on "Innovations in the Teaching of English" in Ottawa, November 13.

PROF. G. W. Bancroft has been named the Chairman of the Committee on Inter-cultural Exchange Workshops sponsored and co-ordinated by the Citizenship Branch of the Ontario Ministry of Community and Social Services.

MRS. FRANCES BIEMILLER has recently been named as the Canadian Home Economics Association representative to the National Action Committee-Status of Women.

MRS. FRANCES BIEMILLER has been appointed to a subcommittee of the Association of Early Childhood Education of Ontario which is drawing up a statement of qualification appropriate to teachers of young children. These will be used as a basis for certification and for evaluating teacher education programs.

On Oct. 29 a new project was begun at the Institute of Child Studies, a one-day-a-week program for children ranging in age from 20 to 32 months. Planned and carried out by first year students in the Early Childhood Education program under the supervision of PROF. RUTH PIKE. Prof. Pike presented a paper "H.H. Clark's Model of Comprehension: Some Suggested Modifications" to the "A" Conference in Education in November. Members of this group include Faculty and graduate students from the Departments of Applied Psychology and Curriculum at the Institute.



## You, too, can keep physically fit as these noon hour joggers do

Pat Reeves, a professional engineer and an assistant manager in Physical Plant, has been jogging for the past seven years. Now he has company each working day in his practice of this particular way to keep fit.

Every noon hour Mr. Reeves and a dozen of his colleagues in Physical Plant run and jog around the indoor track of Hart House gymnasium for two or three miles. They can't confirm it, but they

suspect that their group's time off because of illness is less than that of their more sedentary fellow employees.

Mr. Reeves and Syd Shuttleworth, a Physical Plant supervisor, run and jog between 50 and 60 miles a week in their personal physical fitness program. They are members of the Canadian International Masters' Track Team (for men over 40) and the Metro Toronto Road Runners' Association.



Around the track the Physical Plant joggers go. Left to right, front row: Jack McNeil, Cy Jardine, Pat Reeves; second row: Helmut Guidde, Dick Hands, Peter Roberts, Alex MacKenzie; third row: Robert Mills, Frank Hastie, Gene Kyne. The three men in the rear, running on their own, are not members of the Physical Plant group.

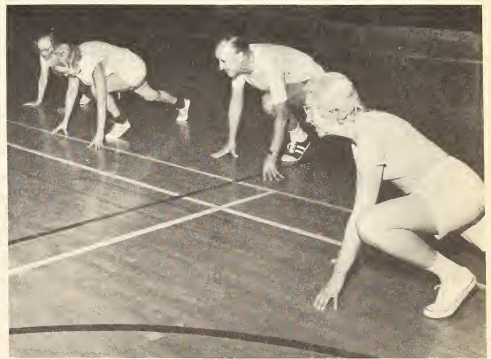


Syd Shuttleworth counsels Linda Webb, Data Processing, who happened to be in the gym at the same time as the Physical Plant group, on the fine art of exercising.

## Jogging in the interests of science for School of Hygiene research



Two of those taking part in the School of Hygiene's research program into exercise for older people jog along in the interests of science.



It looks like the start of a race. But it's just part of the Hygiene research in exercise.

While the Physical Plant staff shown above are exercising for personal pleasure and good health, another group is jogging, pacing, and doing calisthenics in the interests of science—for a research project in the School of Hygiene.

Since 1971 a number of older people, all volunteers, have been engaged in this program, the object of which is to see just how beneficial exercise is to those who are often called senior citizens, and how much they should take.

Dr. Roy Shephard, professor of environmental health, is the principal investigator. Assisting him is Veli Nünimaa, whose Master's program is the subject of the research.

This particular research project goes on the year round and the School of Hygiene has sufficient volunteers for the spring and summer months.

By September, if there do not appear to be enough older people available to meet the quota, and appeal may be made at that time for volunteers.

### Forestry

PROF. K.A. ARMSTRONG attended the FAO/IUFRO World meeting on Forest Fertilization in Paris, France, Dec. 3-8. Following the meeting there was an extended tour of forests in southwestern France.

PROF. F.J. KEENAN joined the Canadian Standards Association Committee for Standard 086, "Code of Recommended Practice for Engineering Design in Timber" and attended the meetings of the Committee on March 4 and 5 at the National Research Council, Ottawa.

## CAMPUS FORUM

Jeff White  
Guidance Centre  
Faculty of Education

I must object to the *Bulletin's* practice of adding a note at the end of letters, suggesting that portions were deleted because they "might be" regarded as defamatory. If portions have in fact been deleted, I cannot understand why the *Bulletin* would choose to point that out, unless the editors of the *Bulletin* are trying to cast doubt upon the integrity of the author or authors of the letters.

I could not help but note, moreover, that such editorial notes have appeared in two consecutive issues, at the end of statements that were critical of the administration's response to the Banfield incident, whereas the comments of others were published without any apparent editing.

John Philpot  
Graduate student

I am writing to point out a serious contradiction in the laws relating to libel and defamation and their relation to the supposed aim of full and open expression of ideas at the University of Toronto.

Recently in the *Bulletin*, several letters critical of Banfield or of racism at the University of Toronto have been almost completely changed by deletion of pass-

ages relating to the content of Banfield's writing or criticizing certain allegedly racist academics at the University of Toronto. Letters are censored supposedly because their letters may be defamatory or libellous. Consequently, the wide and, undoubtedly interested, readership of the *Bulletin* have been denied the opportunity of reading any penetrating analysis of the content and consequences of Banfield's theories.

On the other hand, professors at this University have full licence to write about minority ethnic or racial groups. No laws or even unwritten rules govern their conduct.

The *Bulletin* should not content itself with statements from the head of the U of T Faculty Association that Banfield's work is not racist, but, instead, should attempt to resolve the above-mentioned contradiction by soliciting from the SDS a serious critique of The Unheavenly City, and The Moral Basis of a Backward Society.

The editors of the *Bulletin* regret that they had to make deletions from certain letters on legal advice.

Since the Banfield incident in effect is now before the courts, charges having been laid before the *Caput*, the *Bulletin* will not publish any further letters commenting on the issues until after the *Caput* hearings have been concluded.

## Books published by U of T Press

Books published during February and March by the U of T Press:

John J. Mannion: *Irish Settlements in Eastern Canada: a study of cultural transfer and adaptation*, 220 pp., 30 illus., \$5.

G. Harvey Agnew: *Canadian Hospitals, 1920 to 1970: a dramatic half century*, 276 pp., illus., \$12.50.

H.S.M. Coxeter: *Projective Geometry*, 2nd ed., 164 pp., line drawings, \$7.50.

Frederick H. Armstrong, Hugh A. Stevenson, and J. Donald Wilson (eds.): *Aspects of Nineteenth Century Ontario: essays presented to James J. Talman*, 356 pp., maps, \$15.

Lawrence Berk Smith: *The Postwar Canadian Housing and Residential Mortgage Markets and the Role of Government*, 178 pp., \$12.50.

Dennis Stairs: *The Diplomacy of Constraint: Canada, the Korean War, and the United States*, 374 pp., \$15.

Harald Bohne (ed.): *Canadian Books in Print 1973*, 826 pp., \$25.

Charles G.D. Roberts (edited with an introduction and notes by W.J. Keith): *Selected Poetry and Critical Prose* (Literature of Canada Series), 326 pp., \$17.50 cloth, \$5.95 paper.

Irvin Waller: *Men Released from Prison*, 274 pp., illus., \$15.

P.G. Schofield (ed.): *Proceedings of the Tenth Canadian Cancer Research Conference 1973*, 184 pp., illus., \$20.

W.A.C.H. Dobson: *A Dictionary of the Chinese Patches*, 908 pp., \$37.50.

Anthony R. Pugh: *Balsac's Recurring Characters*, 514 pp., \$25.

D.V. Nalivkin (edited and translated by Nicholas Rast): *Geology of the U.S.S.R.*, 856 pp., 285 illus., \$65.

Norman F. White (ed.): *Ethology and Psychiatry* (The Clarence M. Hincks Memorial Lectures, 1970), 264 pp., illus., \$10. cloth \$4. paper.

Robert Sellar (introduction by Robert Hill): *The Tragedy of Quebec: the expulsion of its Protestant farmers, 1916*, (Social History of Canada Series No.17), 374 pp., \$17.50 cloth, \$5.95 paper.

Michael Parkin and Michael T. Sumner (eds.): *Incomes Policy and Inflation*, 284 pp., \$14.

Brian Land: *Directory of Associations in Canada/Repertoire des Associations du Canada*, 394 pp., \$35.

### Faculty of Dentistry postgraduate courses

A postgraduate course in "The Role of Occlusions in the Development of the Temporomandibular Joint Pain Dysfunction Syndrome" will be presented on May 30 and 31 by representatives from the disciplines of Prosthodontics, Physiology, Periodontics, Psychiatry and Radiology.

A postgraduate course in N20 Sedation will be presented from May 22 to 24 under the general direction of Dr. R. S. Locke.

Further information regarding these courses and application forms may be obtained from the office of the Director, Division of Postgraduate Dental Education.

## Minutes of SGS Council meeting

Summary of Minutes of Council,  
School of Graduate Studies, March 19.

### Minutes

The minutes of the meeting of February 19 were approved with one amendment; the last sentence under the heading 1974-75 Calendar of the School was changed to read "It was agreed that documentation with respect to a decision of the Executive Committee of Division II not to approve the Department of Sociology's proposed changes in its Ph.D. regulations should be submitted to Council".

### Business arising from the minutes

The Chairman reported that the Department of Sociology had launched an appeal against the decision taken by the Executive Committee of Division II with respect to proposed changes in its Ph.D. regulations. Council agreed that the necessary documentation should be circulated in advance of the April meeting of Council and that the Department be granted the right to make an appeal to Council.

### Report of the dean

The Dean reported that the following proposal with respect to fees for graduate students had been approved:

The initial annual fee charged to full-time graduate students shall be not less than \$600 per year. This minimum shall apply to Master's students for at least one year (after an honour's bachelor degree) and to Ph.D. students for at least 3 years (after an honour's bachelor degree). Subsequent to the initial period, the registration fee shall continue for as long as the student is registered, and it shall be not less than \$50 per term. A university may adopt modifications to avoid hardship to part-time Master's students.

It was understood that the minimum initial annual fee would apply regardless of whether the formula fee was \$600 or \$900. The recommendation would take effect in 1974-75.

It was noted that the amounts specified do not include incidental fees.

### Motion with respect to Ph.D. oral examinations

Council approved the following motions:

(1) That paragraph 10c, page 23 of the 1973-74 Calendar be amended to read

## Writers' Workshop at New College

Some of Canada's most prominent novelists, poets, playwrights and journalists will conduct workshop sessions and discuss students' manuscripts at the Writers' Workshop to be held at New College, August 12-23.

Two B.C. poets, Governor General's Award Winner P. K. Page; and Bill Bissett, sound poet and innovator in visual poetry, editor of blowout press, will be on staff.

Novelist Gerald Lampert, who directed three summer Writers' Workshops at York University, is organizer of the New College Workshop. He also coordinates reading tours for the League of Canadian Poets.

Other staff includes James Bacque,

as follows: "make nominations for a Committee of five to eight members to conduct the final oral examinations..."

(2) That a committee representing all Divisions of the School be named by the Dean to review and to make recommendations by the June 1974 Council meeting on other aspects of the current Ph.D. examination procedures and practices.

### Report of the Committee to Propose Guidelines for Professional Degrees

Council received the Report of the Committee and agreed that it should be sent to the Executive Committees of the Divisions for approval or suggestions for modification. If possible, the Report will be brought back to the May 1974 meeting of Council; if that is not possible, to the June 1974 meeting.

### Report of the Fellowship Committee

Council approved the recommendation of the Committee that the Sarah Cusick Gollop and William George Gollop Memorial Graduate Scholarships be established in the School.

### Other business

Council passed the following resolutions:

1. This Council deplores the serious breach of academic freedom that occurred during the visit of Prof. Edward Banfield to the University of Toronto on March 12 and 13;

2. This Council reaffirms in the strongest terms its belief that the free discussion of any academic question is an essential feature of the University;

3. This Council commends the failure of the responsible university administration, despite explicit prior warnings of what might happen, to ensure that Prof. Banfield was able to speak and to be heard;

4. This Council expects that the President will take all possible steps to ensure that such incidents shall not be repeated in the future in this university and that any individuals responsible for such violent disruptions be charged before the *Caput* (or such disciplinary body that may succeed it) and/or the courts of the land as may be necessary.

Prof. W.H. Rapson requested that it be recorded that he had voted against Resolution No. 3.

Several members of Council disqualified themselves from discussion or voting on Resolution No. 4.

## Music announces 1974-75 program

The Faculty of Music has announced the opening on Oct. 17 of the 1974-75 season of the Thursday Evening Series, with the third return engagement of the Early Music Quartet (Studio der Fruhen Musik from Munich), which devotes itself to the music, vocal and instrumental, of the Middle Ages and the Renaissance.

The Nov. 21 program introduces the Waverley Consort performing "Las Cantigas de Santa Maria" - six costumed musicians, singing or playing medieval instruments, and a troubadour-narrator, presenting a courtly entertainment as it might have been seen and heard in 13th century Spain.

"Chhau - The Masked Dance of Bengal" is offered on Jan. 30. This ritualistic dance-drama is performed on the occasion of the annual sun festival in West Bengal.

Gerard Souzay, French baritone, performs on Feb. 13 in his 25th anniversary tour. His program includes works by

Ravel, Faure and additional German lied. The final concert, on March 20 will feature the Composers String Quartet performing all three of the Eliot Carter Quartets.

### Volunteers still needed to help in mercury study

Dr. D. C. Smith of the Faculty of Dentistry is studying the absorption of mercury by dental personnel in Ontario under a Health Grant from the Department of National Health and Welfare.

A comparison group is needed of people who do not work with or are exposed to mercury or mercury components, and too few have volunteered following an earlier notice.

The volunteers will provide a small hair sample for chemical analysis and the results will be communicated in confidence.

For some time a new history of the University of Toronto has been a major concern of a presidential committee and of Prof. Robin S. Harris, the University Historian. This history was originally planned as a single volume devoted for the most part to the period since 1906 - the earlier years having been treated at length in histories published in 1906 and 1927.

"Further study and consideration have led to the conclusion that the history of

the University cannot be adequately told in a single volume, and specifically that the period before 1906 deserves a thorough re-interpretation based on examination of sources not available to previous historians. It has accordingly been decided, on the advice of the Presidential Committee on the Sesquicentennial History Project, to expand the history of two volumes.

The first volume will deal with the period from the origin of the University to its reorganization in 1906, and I am pleased to announce that Prof. G. M. Craig of the Department of History has agreed to undertake this work. The second volume, dealing with the period since 1906, will be written by Prof. Harris. The two volumes will be co-ordinated in approach."

## G M Craig second History editor



## *U of T's Chancellor becomes the first lady of Ontario*



*Chief Justice G.A. Gale administers oath of office to Dr. McGibbon*



*Premier William G. Davis and the new Lieutenant-Governor*

### **Her Honour receives two U of T friends...**



*C. Malim Harding, Chairman of the Governing Council*



*Dr. John R. Evans, President of the University of Toronto*



*Her Honour gives her first Vice-Regal address in Legislative Chamber  
(The blur on the right is a television camera that blocked a clear view.)*



## Opportunity for employment

Sunnybrook Medical Centre

Has staff nurse positions available.  
You are invited to join the team.  
Call the Personnel Selection Office at 486-3612.

## Accommodation

Do you have accommodation to rent?  
Are you seeking suitable off-campus accommodation for yourself or a colleague?  
Call or visit the

University Housing Service  
49 St. George Street  
928-2542

We list housing of all kinds, in a variety of locations, for rent from a few months to a few years.

### Current listings

David Oancia, a Southern Fellow 1974-75, requires a furnished apartment or house, with a minimum of two, but preferably three, bedrooms, one of which could be used as a study, from Sept. 1, 1974 to April 30, 1975. Mr. Oancia can make available a furnished apartment, Apt. 36, 4326 Avenue of St. West, Westmount, Que. H3Z 1E1 for the same period. It has two bedrooms, study, dining room and living room, and is spacious. It is served by three city bus lines and is a three minute walk from the subway. Please direct enquiries to Mr. Oancia at the above address.

House for sale - charming 4 or 5 bedroom, 2 storey, century home on double lot 99' x 132', in older, quieter part of Georgetown. Easy walking distance to GO train, service to Union Station and Bloor subway begins April 29. Private sale, asking price \$66,000. Phone owner Prof. R. Frost, 828-5366 (Erindale College) or 1-877-5335.

For rent June 15, 1974, to July 1, 1975: attractive 2-bedroom house with study and large recreation room; 1 full bath, 2 half baths; private garage; all appliances including freezer and room air conditioner, furnished if desired; 10 minutes from Finch subway station or 35 minutes from campus by car. Owner on sabbatical. Call 221-8053.

Furnished 1-bedroom apartment, Park Towers, Walmer Rd. at St. Clair; no children or pets. Approximately May 20 to Aug. 31. \$250 per month. Phone 921-6200.

Large furnished 2-bedroom duplex to sublet, June 1974 to August, 1975; near Casa Loma in quiet residential area; 10 minutes to campus by bus; enclosed front lawn. \$285 a month plus 1 month's security. 962-3002.

Room, and possibly board, offered to student or instructor in house of widow of university professor; Moore Park district. For information please telephone Mrs. Irving, 489-1664.

For rent: three bedroom home, July-August, 1974. Suitable family. Walking distance to campus. 961-4818.

Moving to Montreal? Let's exchange for 2 or more years. We are moving to Toronto this summer and want to exchange our modern ranch-house with fireplace, 3 bedrooms, on 10 acre woodlot with pasture, overlooking lake, excellent schools, easy commuting to Montreal. Contact Paul Aird, R.R. 1, Hudson Heights, Quebec, or telephone 928-4878.

Furnished broadloomed split level house; three large bedrooms plus family room and playroom; modern eat-in kitchen; three bathrooms; central air conditioning. Bathurst-Sheppard area, convenient to shopping, transportation and schools. Available August 1974 to August 1975. Reasonable rent. Phone 630-7331.

Sublet fully furnished garden home in Ottawa South, from June 1, 1974 to Aug. 1, 1975. Three bedrooms, den, kitchen, living and dining rooms, 1½ bathrooms. Appliances include washer, dryer, dishwasher and freezer. Beautiful location on Rideau River, 10-minute walk to Carleton University; 8-10 minutes drive to University of Ottawa; close to bus routes and schools. All utilities (except telephone) included. Rent - \$350 per month. Prof.

D.A. Kasianchuk, 29 Marco Lane, Ottawa, Ont. K1S 5A1. Phone 232-5249.

### Swimming lessons

Swimming instruction (infants to adults) offered by Toronto Aquatics in Thornhill, Willowdale and Don Mills areas. Register now - classes from April 18 and 20. For information call 223-5656.

## 2 students face Caput charges

(Continued from page 1)

from using it; the alleged denial of access to the platform by Dr. Banfield and Prof. Dupre, and generally preventing the delivery of the lectures; interfering with the conduct of an authorized activity, and interfering with the "lawful use and enjoyment" of West Hall.

Two of the charges against Mr. Leah and four of those against Mr. Schabas conclude with the allegation that their actions "did thereby interfere with Professor Banfield's rights and freedoms to speak and be heard at lecture."

When the sessions opened, Prof. A.S. Abel, Faculty of Law, the chairman, outlined the rules of procedure. He said the chair would decide questions of law and Caput, in whole committee and in closed session, would decide upon all other questions and motions.

Asked if they had legal counsel or wished to have the meeting open, the defendants said they would conduct their own defence, under guidance of their legal adviser, Charles Roach, and requested an open hearing.

They then moved that Caput should disqualify itself from hearing the charges on the grounds that it was an illegitimate body, an arm of the administration, and because it was white and middle class, incapable of dealing with racist issues.

The chair first ruled this motion a question of law and then ruled it out of order on the grounds that Caput was operating under provincial statutory law and therefore could not be deemed illegitimate.

Both the administration and the defendants agreed that the committee be adjourned so the students could spend more time preparing a case. However, there was disagreement on the amount of time they would need.

H. Donald Guthrie, Q.C., solicitor for the University, thought one or two week adjournment should be sufficient. The defendants argued for postponement until September, saying that their witnesses would be unavailable until then because they are writing exams or leaving the city.

They said the hearings should be conducted within the full view of the University community and this would be impossible until students and professors return in the fall.

Mr. Guthrie replied that the interests of justice required an expeditious trial. Furthermore, the defendants tend to fade and a five month delay would not serve justice.

Before Caput moved into closed session to decide on the motions for adjournment, the defendants also moved that Caput dismiss all charges. They claimed the charges were so obscure that it was impossible for them to find out what they were really being charged with, much less make a defence.

Mr. Guthrie said the charges were clear with respect to time, place and alleged activity. Furthermore, they had to be put in language that would relate to the powers held by Caput.

After deliberating in closed session for over an hour, Caput reconvened in open session and announced that the motion to quash all charges was denied and then adjourned until 2 p.m. May 21.

Before the short statement on the defendants and comments from some of the 30 spectators, Prof. Abel banged his gavel and the meeting adjourned.

### BULLETIN DEADLINE

The University of Toronto Bulletin is publishing an *ad hoc* basis, generally once a week on Fridays. Copy should be typewritten and double-spaced. The deadline for most material is seven days before publication.

## Total provided for student aid increased by \$3.4 million 1974-75

Increased support for the Ontario student aid program has been announced by the Hon. James Auld, Minister of Colleges and Universities, today.

The statement follows:

"The total provided for all student aid programs in 1974-75 has been increased to \$39.4 million from actual expenditures of approximately \$36 million in 1973-74."

"The \$39.4 million will be allocated approximately as follows: \$35 million to the Ontario Student Assistance Program, \$3 million to the Ontario Graduate Scholarship program, \$500,000 to a bursary program for part-time students, \$150,000 to bursaries for secondary school students, and \$800,000 to Canada's two official languages."

"The bursary program for part-time students, launched in 1973, will continue as a pilot project at the institutions where it was operated in 1973-74. These are Canadore, Centennial, Georgian, Niagara and Northern Colleges; Carleton, Laurentian and York Universities and the University of Windsor. A pilot loan program for part-time students, also introduced in 1973, will be continued at all universities and community colleges in Ontario."

"The Ontario Student Assistance program and the Canada Student Loans Plan have been changed to enable students to receive more financial assistance and to allow more students to qualify. The changes include extra allowances for

married students, increased allowance for board, lodging and miscellaneous expenses, and revisions to the method of calculating how much aid is expected to contribute to students' financial resources."

"Complete information on the program is contained in a new pamphlet, 'Ontario Student Assistance Program - 1974-75', which may be obtained from student award officers in community colleges and universities throughout Ontario."

## Medicine to convene a research assembly

The Faculty of Medicine will convene a "Research Assembly" on April 22 at 4 p.m. in Room 3154 Medical Sciences Building. This will be an informal meeting open to all interested persons in the Faculty for general discussion of research policy.

It is expected that the "Assembly" will be convened two or three times a year in the future. A specific objective will be to improve communications from granting agencies to research workers in the Faculty, and to allow feedback from the Faculty members to the granting agencies.

All members of the Faculty who hold advisory positions with granting agencies have been invited to attend.

## STAFF NOTES

### Dentistry

DR. R. T. LANG addressed the Durham-Ontario Dental Society on "The Use of Removable Orthodontic Appliances" on Feb. 27.

DR. G.S. BEAGRIE attended a meeting of the Medical Research Council Grants Committee for Dental Sciences in Ottawa on March 7 and 8. He also attended the Executive Committee Meeting of the Royal College of Dentists of Canada in Toronto on March 16 and 17. In association with Dr. L.G. LAWRENCE and DR. D.C. SMITH, Dr. Beagrie presented a paper entitled "Implantation of Polycarbonate Cement in Bone" at the 52nd General Session of the I.A.D.R. in Atlanta in February.

Dr. D.C. Smith attended a meeting of the Canadian Standards Association Sectional Committee on Health Care Technology in Toronto on Feb. 19. Dr. Smith attended the Thomas P. Hinman meeting in Atlanta from March 17 to 20 as a guest clinician and presented seminars on "Sticking to Your Teeth," "Bonding to Teeth and Bones" and "Implant Materials." He also attended the 52nd General Session of the I.A.D.R. in Atlanta from March 21 to 24. Dr. Smith, as chairman of the C.D.A. Committee on Standards for Dental Materials and Devices, attended a meeting of the committee in Toronto on March 29.

DR. S. WEINBERG presented a lecture on "Drugs and Dentistry" at the Retardation Services Branch, provincial Ministry of Health on Jan. 16.

DRS. L. F. GREENWOOD and B. J. SESSLE presented a paper entitled "Effect of Carbamazepine on Cat Trigeminal Brain Stem Sensory Neurons" at the 52nd General Session of the International Association for Dental Research in Atlanta.

DRS. A. A. LOWE and B. J. Sessle presented a paper entitled "Gnathostomus Activity During Respiration, Jaw Opening and Swallowing in Cat and Monkey" at the 52nd General Session of the I.A.D.R.

DR. B. J. Sessle and DR. J. P. LUND (Université de Montréal) presented a paper entitled "Responses of Orbital Cortex Neurons to Orofacial and Laryngeal Stimuli" at the same meeting.

DR. W. MILLS, in association with DRS. G. W. THOMPSON and G. S. BEAGRIE, presented a paper entitled "Assessment of Partial Mouth Recording to Determine Patients' Periodontal Status" in Atlanta.

DR. D. G. WOODSIDE presented a seminar to the graduate orthodontic stu-

dents at the University of Montreal on Feb. 5.

DRS. R. P. ELLEN and J. SODEK have been appointed to the Graduate Staff of the Faculty.

Dr. Lewis delivered a paper entitled "An Overview of Future Dental Manpower Requirements in Ontario" to the Human Resources Committee of the Ontario Council of Health on Feb. 21.

The postgraduate students in Oral Surgery attended a Continuing Education course in Advanced Oral Surgical Procedures at Ohio State University from Jan. 11-13.

Dr. D. W. Lewis delivered a paper entitled "An Overview of Future Dental Manpower Requirements in Ontario" to the Human Resources Committee of the Ontario Council of Health on Feb. 21.

DR. P. T. SMYLSKY presented several papers on Oral Surgery topics at the Continuing Education Course for dental officers at Canadian Forces Base, Borden on Feb. 4.

DR. P. R. MORGAN attended a Continuing Education course in Advanced Oral Surgical Procedures at Ohio State University from January 11 to 13.

DR. G. NIKIFORUK attended the 52nd General Session of the International Association for Dental Research meeting in Atlanta from March 21 to 24 and the meeting of the American Association of Dental Schools from March 28 to 30.

DR. W. J. FLEMING addressed the Ontario Dental Association Conference on Preventive Dentistry on Jan. 17 on the subject of "Fluorides." He addressed the American Society for Preventive Dentistry, Ontario Chapter, in St. Catharines on Feb. 2.

DR. A. H. MELCHER presented a paper to the Endodontic Study Club in Toronto on Feb. 13 on "Biological Processes in Wound Healing."

DR. H.G. POYTON was Visiting Professor at the University of Saskatchewan from March 4 to 8, during which time he delivered a series of twenty lectures on Radiology.

DR. W. R. BARLOW lectured to the Hamilton Dental Nurses Association on Feb. 16 on the subject "Long Cone Paralleling Technique."

Dr. D. W. LEWIS spoke to the Task Force on Community Dental Programs of the Ontario Ministry of Health on Feb. 7 on "Evaluative Research and Community Dental Programs." Dr. Lewis has been appointed a consultant to the study group assessing universal dental care services for children in British Columbia.



## Silver anniversary celebration for Aerospace Studies

The pictures on this page illustrate a few of the events that took place during the 25th anniversary celebrations of the Institute for Aerospace Studies at the beginning of this month. Among the activities were a symposium that attracted distinguished scientists from all over Canada, the formal opening of the Institute's archival library, a banquet in the Great Hall of Hart House, and presentations, including one of a unique sundial to the wife of the retiring director, Dr. Gordon Patterson (which was reported in the *Bulletin* of April 5).



Inside the Aerospace Institute's sonic horn, D. P. Jackson (second from left) explains to some of the visitors touring the facilities how tests are carried out on the plaster walls. The interested listeners seen here are Barry Leigh (left), B. J. C. Wu of Yale University and Mrs. Marton Gadsby.

Dr. Patterson, retiring director, cuts ceremonial ribbon to open IAS archival library. Dr. J.H. de Leeuw, director-designate, looks on.

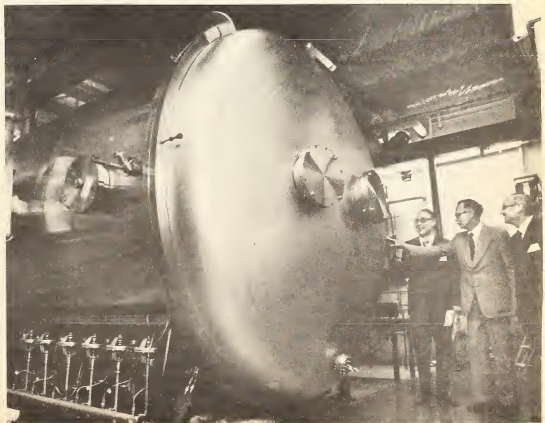


RIGHT: Prof. I.I. Glass, assistant director of IAS, (right), autographs his new book, "Shock Waves and Man", for Dr. and Mrs. A.M. Patterson.



LEFT: R.J. Jones of NASA's Ames Research Center, demonstrates that an aircraft with yawed wing will still fly properly - in fact, that, near the speed of sound, it may fly better than conventionally-winged aircraft.

BELOW: Dr. Boris Stoiceff, chairman, Engineering Science, in Applied Science and Engineering (left), and Dr. D.J. LeRoy, vice-president, National Research Council, in the new library.



Prof. J. Barry French (left) describes the multi-purpose space simulator facility for participants in the anniversary symposium.

## 'Music for Flutes by Flutists'

Rehearsing for a concert "Music for Flutes by Flutists" held to mark the presentation of a gift of flutes to the Faculty of Music, are, from left, Fiona Wilkinson, Penny Clarke, Anne Keefe, Dottie Layton and Elizabeth McBurney, all U of T students. 18th and 19th century flutes, 21 in all, collected works of major composers, early editions of chamber music, and 18th century printed and manuscript music for the flute, form part of a gift by Dr. Sidney Fisher and his brother, Charles B. Fisher. The flutes will be on permanent display in the Faculty of Music library, and the music will be in the Fisher Library's Rare Book Room.



## F K Hare head of Environment

(Continued from page 1)

from Queen's University, Kingston; University of Western Ontario, and McGill University. Other offices he has filled and honours he has received include the chairmanship of the board of the Arctic Institute of North America (1963), president of the Canadian Association of Geographers (1963-64), president of the Royal Meteorological Society (of London), (1967-68), member of the executive of the board of Resources for the Future, Inc. since 1968.

Dr. Hare's research interests are chiefly in the fields of climatology, biogeography and hydrology. He has lately been particularly interested in assessing the net solar radiation income of the North American continent.

Frederick Kenneth Hare was born in Wyllye, Wilts., in England and obtained his B.Sc. at London University in geography in 1939 and his Ph.D. in the same subject from McGill in 1950. He was a lecturer at Manchester University for two years before joining the Royal Air Force as a meteorologist. When war ended, he joined McGill as an assistant lecturer. He was appointed associate professor and chairman of the Department of Geography in 1950 and became professor in 1952. From 1962-64 he was dean of Arts and Science and then spent four years at the University of London, before accepting the presidency of the University of British Columbia in 1968. In 1969 he joined the U of T. He has been closely associated with the Institute of Environmental Sciences and Engineering (now the Institute of Environmental Studies) since its inception.

Dr. Hare sees the emphasis in environmental studies changing somewhat over the next few years as society focuses increasing interest on international and global implications, rather than the municipal and more local implications, of pollution and the effects on resources.

"Our chief concerns with environmental quality a few years ago" he says, "were greatly concerned with the assault on our nostrils and on our health of certain practices. Increasingly, now, people are concerned about the quality of the oceans and the effects it could have on our food supplies. They are thinking more about climatic changes."

Dr. Hare hopes for greatly increased involvement in environmental studies of the many different academic disciplines of the University. "We have fantastic resources on this campus," he says, "We should take more advantage of them."

## COMING EVENTS

Tuesday 23 April

**SEMINAR: Medicine and Engineering** - "Project MARKS: Maritime Ambulatory Record System". Dr. David B. Shires, Dalhousie University Medical School. EL-211, Old Electrical Building. 2 p.m. (Family and Community Medicine, and Industrial Engineering)

**COLLOQUIUM: Astronomy** - "Optical Identifications of Galactic X-Ray Sources". Dr. Krzeminski, Institute of Astronomy, Warsaw, Poland, and European Southern Observatory, Chile. David Dunlap Observatory. 4 p.m. (Astronomy)

**MUSIC: Jazz Series 1974** - "Mainstream Jazz" by the Norman Amadio Sextet. Bishop White Gallery, ROM. 5.30 p.m. Free

Wednesday 24 April

**COLLOQUIUM: Psychology** - "Attribution: An Obvious Theory with Nonobvious Implications". Prof. Richard E. Nisbett, University of Michigan. 2102 Sidney Smith Hall. 4.15 p.m. (SGS and Psychology) (Please note that the date has been moved ahead from May 1.)

**MEETING** - Victoria Women's Association. Speaker, Dr. Germaine Warkenton. Wymilwood. 2 p.m.

**LECTURE: Indian Art** - "The Sanchi Torso". John Irwin, Victoria and Albert Museum. Planetarium Lecture Room. 8.30 p.m. Free

Thursday 25 April

**PANEL** - "Patterns and Problems of Growth" series. Panel summation and discussion of series. Medical Sciences Building. 7.45 p.m. (Continuing Studies)

Friday 26 April

**MUSIC** - Lillian Weichel, soprano. Walter Hall, Edward Johnson Building. 8.30 p.m. No tickets, no charge (Music)

Tuesday 30 April

**COLLOQUIUM: Astronomy** - "The Spectra of Mira Variables". Dr. R. F. Garrison. David Dunlap Observatory. 4 p.m. (Astronomy)

**MUSIC: Jazz Series 1974** - "Bebop" by the Herb Spanier Quintet. Bishop White Gallery, ROM 5.30 p.m. Free

Tuesday 7 May

**MUSIC: Jazz Series 1974** - "The Blues" by the Bernie Senensky Group. Bishop White Gallery, ROM. 5.30 p.m. Free

## EXHIBITIONS

Paintings by Wilds, Ireland, Hendriks and Quance. Edward Johnson Building. To April 30. For information call 743-7000.

Work done by students in Fifth Year, Architecture. 230 College St. To May 6. "Historic Huronia". Faculty of Education. April 26-May 17.

Indian Miniature Paintings of the Mughal and Deccani Schools. Exhibition Hall, ROM. Tours weekdays at 2 p.m. To May 3.

"Made in Canada" - textile arts. Textile Gallery, ROM. To July 28.

Paul Kane's Canadian West. Sigmund Samuel Canadiana Building. To June 16. Stamps - Selected Pages from the Strudley Gift Collection of Great Britain. Stamp Corner, ROM. To May 31.

One Hundred Years of Oceanography. Third Floor Rotunda, ROM. To April 24. Stars, Bears and Dragons. Theatre of the Stars, McLaughlin Planetarium. To June 16.

Paintings and drawings by J.B.P. Debain. Hart House Art Gallery. To April 21 (Hart House Art Committee and La Cimaie Gallery)

## Ph.D. Orals

Monday, April 22

Roger Dale Gehlbach, Department of Educational Theory, "An Investigation of the Relationships Between Specific Features of Verbal Instructional Language and a Criterion of Instructional Effectiveness". Thesis supervisor: Prof. C. Berleter. Room 107, 16 Hart House Circle. 2 p.m.

Tuesday, April 23

T.H. Callahan, Department of Mathematics, "The Three-Class Groups of Non-Galois Cubic Fields". Thesis supervisor: Prof. H. Heilbronn. Room 108, 16 Hart House Circle. 2 p.m.

Wednesday, April 24

Allen Fawes, Department of Medical Biophysics, "Studies on the Control of Murine Bone Marrow Function". Thesis supervisor: Prof. W.R. Bruce. Room 107, 16 Hart House Circle. 2 p.m.

Ms. Mary Vipond, Department of History, "National Consciousness in English-Speaking Canada in the 1930s: 7 Studies". Thesis supervisor: Prof. G. R. Cook. Round Room, Massey College. 10 a.m.

Thursday, April 25

V.S. Umamaheswaran, Department of Electrical Engineering, "On the Relaying of Naturally Tuned Half-wave Long Power Transmission Lines". Thesis supervisor: Prof. S.D.T. Robertson. Room 108, 16 Hart House Circle. 2 p.m.

Trong Hung (John) Ng, Department of Electrical Engineering, "Amplitude Modulator System Using Thyristor Series Inverter as a Basic Unit". Thesis supervisor: Prof. S.D.T. Robertson. Room 108, 16 Hart House Circle. 10 a.m.

Colin Read, Department of History, "Rising in Western Upper Canada, 1837-1838". Thesis supervisor: Prof. J.M.S. Careless. Round Room, Massey College. 2 p.m.

Monday, April 29

Ernest Russell Wall, Department of Educational Theory, "The Development and Application of an Instrument for the Substantive Analysis of Literature Teaching in the Secondary School". Thesis supervisor: Prof. G.L. Mediarini. Round Room, Massey College. 2 p.m.

M. J. Larrabee, Department of Philosophy, "Static and Genetic Phenomenology". Thesis supervisor: Prof. J. Morrison. Round Room, Massey College. 11 a.m.

D. J. Mastrorand, Department of Classical Studies, "Studies in Euripides' Phoinissai". Thesis supervisor: Prof. D.J. Conacher. Room 108, 16 Hart House Circle. 2 p.m.

Angus Gilbert, Department of History, "The Political Influence of Imperialist Thought in Canada, 1899-1923". Thesis supervisor: Prof. D. C. Creighton. Croft Chapter House, University College. 2 p.m.

Tuesday, April 30

Michael J. Larsen, Department of English, "The Concept of the Double in the Works of Joseph Conrad". Thesis supervisor: Prof. D. J. Dooley. Croft Chapter House, University College. 2 p.m.

Ernest Russell Wall, Department of Educational Theory, "The Development and Application of an Instrument for the Substantive Analysis of Literature Teaching in the Secondary School". Thesis supervisor: Prof. G.L. Mediarini. Round Room, Massey College. 10 a.m.

## UTFA endorses action of Executive and Council

At its annual general meeting of April 9 the University of Toronto Faculty Association passed a resolution endorsing the recent actions of the Executive and Council of the Association in connection with the issues of freedom of speech and assembly in the University. The meeting also passed a resolution condemning the savage attack on the meeting of the Toronto Committee for the Liberation of Portugal's African Colonies on April 7, and called on the Council of the Association to make proposals to the University administration for ensuring the security of all meetings on the campus.